Muons in pyridine (C_5H_5N)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53096	0.982	66.2	0.16399	3.1977	0.1670	2.5245	3.3148	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm^2]
		[MeV cm^2/g]					
10.0 MeV	4.704×10^1	7.742				7.742	7.131×10^{-1}
14.0 MeV	5.616×10^1	6.035				6.035	1.304×10^0
20.0 MeV	6.802×10^1	4.711				4.711	2.443×10^0
30.0 MeV	8.509×10^1	3.652				3.652	4.888×10^0
40.0 MeV	1.003×10^2	3.117				3.118	7.870×10^0
80.0 MeV	1.527×10^2	2.338				2.338	2.316×10^1
100. MeV	1.764×10^2	2.191				2.191	3.202×10^1
140. MeV	2.218×10^2	2.040				2.040	5.103×10^1
200. MeV	2.868×10^2	1.952				1.952	8.121×10^1
300. MeV	3.917×10^2	1.918			0.000	1.919	1.330×10^2
318. MeV	4.105×10^2	1.918			0.000	1.918	*Minimum ionization*
400. MeV	4.945×10^2	1.924			0.000	1.924	1.851×10^2
800. MeV	8.995×10^2	1.995	0.000		0.000	1.996	3.893×10^2
1.00 GeV	1.101×10^3	2.028	0.000		0.000	2.029	4.887×10^2
1.40 GeV	1.502×10^3	2.081	0.000		0.001	2.082	6.832×10^2
2.00 GeV	2.103×10^3	2.140	0.000	0.000	0.001	2.142	9.671×10^2
3.00 GeV	3.104×10^3	2.207	0.001	0.001	0.001	2.210	1.426×10^3
4.00 GeV	4.104×10^3	2.253	0.001	0.001	0.002	2.257	1.874×10^3
8.00 GeV	8.105×10^3	2.359	0.003	0.003	0.004	2.369	3.598×10^3
10.0 GeV	1.011×10^4	2.391	0.004	0.004	0.005	2.404	4.436×10^3
14.0 GeV	1.411×10^4	2.438	0.006	0.006	0.007	2.457	6.081×10^3
20.0 GeV	2.011×10^4	2.485	0.009	0.011	0.009	2.514	8.494×10^3
30.0 GeV	3.011×10^4	2.536	0.016	0.019	0.014	2.584	1.241×10^4
40.0 GeV	4.011×10^4	2.570	0.022	0.028	0.018	2.638	1.624×10^4
80.0 GeV	8.011×10^4	2.651	0.050	0.067	0.034	2.803	3.093×10^4
100. GeV	1.001×10^5	2.675	0.065	0.089	0.043	2.873	3.797×10^4
140. GeV	1.401×10^5	2.713	0.096	0.134	0.059	3.002	5.159×10^4
200. GeV	2.001×10^5	2.752	0.145	0.205	0.084	3.186	7.098×10^4
300. GeV	3.001×10^5	2.796	0.229	0.326	0.126	3.477	1.010×10^5
400. GeV	4.001×10^5	2.827	0.317	0.453	0.168	3.764	1.286×10^5
800. GeV	8.001×10^5	2.903	0.681	0.979	0.339	4.903	2.215×10^5
1.00 TeV	1.000×10^6	2.928	0.869	1.252	0.426	5.475	2.601×10^5
1.14 TeV	1.145×10^6	2.943	1.005	1.447	0.491	5.886	*Muon critical energy*
1.40 TeV	1.400×10^6	2.965	1.248	1.795	0.605	6.613	3.264×10^5
2.00 TeV	2.000×10^6	3.006	1.831	2.627	0.876	8.340	4.071×10^5
3.00 TeV	3.000×10^6	3.052	2.809	4.013	1.342	11.217	5.101×10^5
4.00 TeV	4.000×10^6	3.086	3.805	5.419	1.817	14.126	5.894×10^5
8.00 TeV	8.000×10^6	3.168	7.837	11.084	3.793	25.882	7.955×10^5
10.0 TeV	1.000×10^7	3.195	9.877	13.937	4.811	31.821	8.651×10^5
14.0 TeV	1.400×10^7	3.236	13.949	19.622	6.909	43.717	9.719×10^5
20.0 TeV	2.000×10^7	3.281	20.110	28.199	10.133	61.723	1.087×10^6
30.0 TeV	3.000×10^7	3.332	30.368	42.468	15.732	91.900	1.219×10^6
40.0 TeV	4.000×10^7	3.370	40.684	56.784	21.479	122.316	1.313×10^6
80.0 TeV	8.000×10^7	3.461	82.033	114.099	45.606	245.199	1.539×10^6
100. TeV	1.000×10^8	3.491	102.759	142.791	58.117	307.158	1.612×10^6